

# Public Works Department

**Public Works:** Provides the physical infrastructure both facilities and services essential to urban society

In Evanston Public works is:

## ❖ **The Divisions**

- ◆ Fleet Services
- ◆ Streets and Sanitation
- ◆ Transportation (Engineering, Traffic and Parking)
- ◆ Water and Sewer

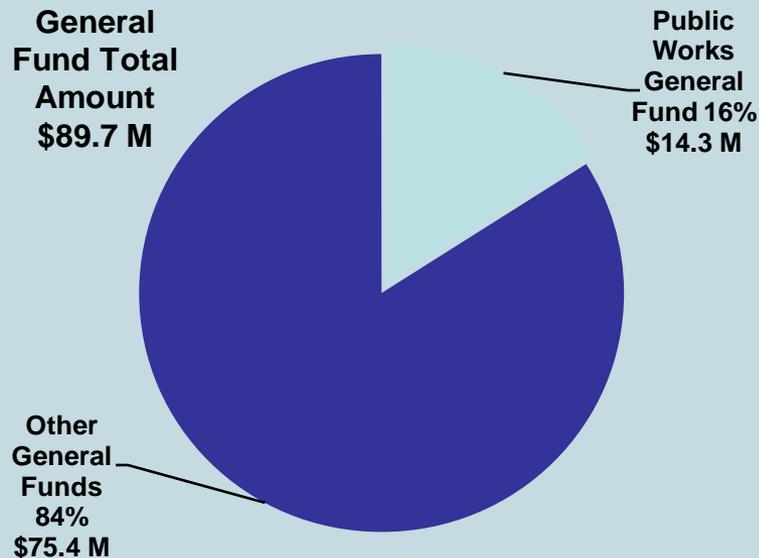
## ❖ **The People**

- ◆ A total of 230 people
- ◆ 167 full-time employees
- ◆ 3 part-time employees
- ◆ Approximately 60 seasonal employees

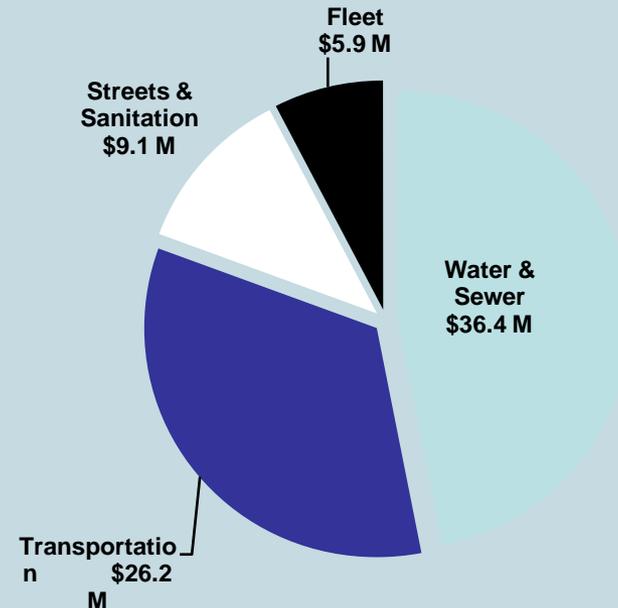
# Public Works Department

## ❖ The Budget

### Public Works General Fund Compared to General Fund Total



### Public Works Budget \$77.6 million in 2009-10



The department manages about \$100 million each year in operation, maintenance and capital projects funded by:

- State and Federal Grant and Loans
- General, Water, Sewer, Fleet and Parking Funds
- Capital Improvement Funds
- Motor fuel Tax Funds

# Public Works Department

## Fleet Services

### ❖ MAINTENANCE AND REPAIR

Provides repair services to all City vehicles on a scheduled and non-scheduled basis

Maintains a vehicle parts inventory of critical parts

Responds to emergency road service repairs involving City Vehicles

Repairs non-vehicular equipment and attachments

### ❖ EQUIPMENT REPLACEMENT

Develops a 10-year vehicle replacement plan that is updated annually based on budget allocation

Administers the disposal of surplus vehicles and equipment through auction services



# Public Works Department

## Streets and Sanitation

### ❖ RESIDENTIAL REFUSE COLLECTION AND DISPOSAL



1- 5  
Residential  
Units by  
City



Condo's by  
Contractor  
Flood  
Brothers

- ◆ City crews provide service to over 14,000 households
- ◆ Contractor provides service to over 5,000 condo units
- ◆ As condo units increase contractual costs will increase

### ❖ SPECIAL PICK-UP PROGRAM

- ◆ Provides for the removal of bulk trash from households
- ◆ Generates approximately \$80,000
- ◆ City provides two free bulk trash removal events per year

Total cost for City refuse is approximately \$2.8 million

Total cost for Contractor is approximately \$500,000

# Public Works Department

## Streets and Sanitation

### ❖ RECYCLING

Curbside recycling collection for all residential and condominium. The cost of this program is about \$760,000 per year. The City also operates a recycling drop off site at a cost of about \$50,000 per year. Recycling collection is currently provided by Groot.



### ❖ COMMERCIAL WASTE FRANCHISE

Provides for the collection and disposal of commercial refuse. The franchise also provides one free recycling container and the opportunity to recycle large quantities for a fee. This program generates approximately \$75,000 in revenue. CWF refuse and recycling collection is currently provided by Groot.

### ❖ YARD WASTE

Curbside collection and disposal of all yard waste: grass clippings, brush and leaves. The cost of this program is approximately \$410,000 plus the labor cost for street personnel during leaf collection



# Public Works Department

## Streets and Sanitation

### ❖ STREET MAINTENANCE

Performs utility repairs for the water division (concrete and asphalt)

Performs pothole and large area asphalt patching

### ❖ ALLEY MAINTENANCE

Performs grading of over 600 alleys twice per year removing material and replacing it with recycled asphalt

Resurfaces at least two alleys per year with asphalt

Patches potholes in alleys

### ❖ CURB & SIDEWALK MAINTENANCE

Perform repairs and replacement of concrete, brick and specialty sidewalks

Repair and rebuilds brick and stone walls



**Alley Blacktopping**



**Projects Completed by In-house Crews**

# Public Works Department

## Streets and Sanitation

### ❖ STREET CLEANING

To ensure street drainage structures are free of debris minimizing standing water, to enhance the aesthetics of our neighborhoods and to reduce pollution entering the waterways.

Provides for the cleaning of city streets 18 times per year and four times per year for streets where parking is a premium.



### ❖ BUSINESS DISTRICT MAINTENANCE

Maintain business district areas by removing litter, power washing sidewalks and viaducts, emptying refuse cans daily located in business districts and high pedestrian traffic areas throughout the city.



### ❖ PARKING LOT MAINTENANCE

Perform maintenance on city owned/operated lots, adjacent sidewalks and landscaping.

# Public Works Department

## Streets and Sanitation

### ❖ SNOW REMOVAL OPERATIONS

Collaborative effort by personnel and equipment from Streets, Sanitation, Water, Sewer, Forestry, Parks, Fleet, Transportation, Facilities and Police to clear snow and ice from City streets, sidewalks, parking lots and public buildings



### ❖ SERVICE CENTER/WAREHOUSE OPERATIONS

Provides vehicle and equipment storage  
Centralized purchasing and warehousing  
Provides storage for salt, asphalt and other materials  
Houses city fuel pumps



# Public Works Department

## Transportation

### ❖ STREET DESIGN AND CONSTRUCTION

Prepares plans and specifications for street resurfacing and improvement projects. Administers state and federal street improvement projects.

Preparation of plans, specifications and cost estimates for water main replacement projects and sewer repair/replacement projects.

### ❖ SIDEWALK DESIGN AND CONSTRUCTION

Preparation of bid documents for 50/50 sidewalk program, block curb & sidewalk programs, and ADA Ramps program.

### ❖ ALLEY DESIGN AND CONSTRUCTION

Administer special assessment process.

Design, bid, construct and inspect alleys.

### ❖ PRIVATE DEVELOPMENT REVIEWS

Engineering review of the proposed developments for improvements in the Right-of-way.



Before



After

# Public Works Department

## Transportation

### ❖ TRAFFIC SIGNALS

- In-house design and construction of 1 or 2 stand-alone signal projects each year
- Consultant design and construction of more complex traffic signal projects
- Over 50% of citywide signal systems are more than 40 years old



### ❖ SIGNS AND MARKINGS

- Maintain pavement markings and signage throughout the City. Some in-house sign making and pavement marking
- Provide traffic barriers for street closures

### ❖ STREET LIGHTS

- 4192 Tallmadge Streetlights upgraded by in-house staff
- 800 Tallmadge Streetlights painted by summer youth program and in-house staff



# Public Works Department

## Transportation

### ❖ GRANT FUNDING AND INFRASTRUCTURE PLANNING

FHWA Funding Grants

IDOT bridge/highway/MFT funding

RTA/CTA transit funding and grants

20-Year Citywide Multi-modal Transportation Plan

5-Year Capital Plans such as:

Street Improvement Plan

Bridge Improvement Plan

Sidewalk Plan

Parking Facilities Plan

Traffic Signal Upgrade Plan

Streetlight Upgrade Plan

### ❖ PERMITTING

Review and coordination of all R.O.W.

improvements on various private/public projects.

Review, coordination and approval of civil work on private development projects. Reviews easements and dedications.

# Public Works Department

## Transportation-Parking Services

### ❖ PARKING ENFORCEMENT

Enforcement of the parking ordinances throughout the City of Evanston 24/hrs/day, 6 days/ week.

Enforcement of parking meters, time limits, residential zones, etc. Other duties include:

Daytime Traffic Control, School Crossing Guard Substitutes, Traffic Safety at Evanston High School

The approximate cost of this program is \$1,365,000 general funds. Parking generates about \$3.5 million in revenue annually

### ❖ CROSSING GUARD PROGRAM

Provides intersection crossing assistance for children and adults for various schools and special events as described below.

41 Regular School Crossing Locations

8 Summer Crossing Locations

6 Night-time Starlight Concerts

3 Arts Festivals

The total cost of the program is over \$350,000 per year.



# Public Works Department

## Transportation-Parking Services

### ❖ Garages

525 Church Street, 1800 Maple Avenue and  
Sherman Plaza  
Total Capacity of 3,300 spaces

### ❖ Meters

2,300 meters located City wide

### ❖ 35 Surface and Permit Lots

Total Capacity of 1,600 spaces



# Public Works Department

## Water and Sewer

### ❖ WATER TREATMENT

Treats over 16 billion gallons of water per year (40 million gallons per day)

Performs around the clock water quality analysis

Consistently meets and exceeds regulatory requirements

### ❖ WATER PUMPING

Supplies clean water to Evanston, Skokie and the Northwest Water Commission (Arlington Heights, Buffalo Grove, Palatine and Wheeling)

Provides around the clock monitoring of pumping and storage

Operates 24/7 emergency phone line to respond to customer concerns

### ❖ WATER DISTRIBUTION SYSTEM

Maintains and repairs 157 miles of water main

Maintains and replaces as needed 1,372 fire hydrants and 2,013 valves.



# Public Works Department

## Water and Sewer

### ❖ WATER METERS

Maintains, tests, repairs and replaces water meters

Monitors usage and prepares water bills

Locates water and sewer underground utilities for contractors

### ❖ SEWER COLLECTION SYSTEM

Maintains and repairs 143 miles of combined sewer main, 47 miles of relief combined sewer main and 18 miles of storm sewers

Responds to basement back-up and street flooding concerns during rain events

### ❖ ADMINISTRATIVE SERVICES

Prepares specifications and proposals

Provides project management

Provides oversight to ensure regulatory compliance

Coordinates activities to ensure efficiencies

